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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/184,186	11/02/1998	ROBERT MARC CLEMENT	2170.00013	3992	
759	01/14/2003				
John J. Gresen	S		EXAMI	NER	
P.O. Box 2903 Minneapolis, M	55402-0903		ELVE, MARIA	ELVE, MARIA ALEXANDRA	
William Cap Cites, 112.					
			ART UNIT	PAPER NUMBER	
			1725	23	
			DATE MAILED: 01/14/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.



Application No. 09/184,186 Applicant(s)

Clement et al.

Office Action Summary

Examiner

M. Alexandra Elve

Art Unit 1725

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE	The MAILING DATE of this communication appears of	n the cover sheet with the correspondence address
THE MALLING DATE OF THIS COMMUNICATION. Exemains at time more be writidle under the provisions of 37 CFR 1.136 [a]. In no event, however, may a righty be timely filled after SXI [6] MONTHS from the making date of this communication. If No period for right is specified above, the maximum steution period will apply red vide spile SXI (6) MONTHS from the making date of this communication. If No period for right is specified above, the maximum steution period will apply red vide spile SXI (6) MONTHS from the making date of this communication. February to right the sure of secondary period for right will be precised above. The making date of this communication, seen of simply field, may reduce any secondary part form adjustment. See 37 CFR 1.704(b). Status 1] P Responsive to communication(s) filled on	Period for Reply	
mailing date of this communication. If the period for epily specified above, the macrimum statutory part of will sperily serily specified above, the macrimum statutory part of will sperily serily \$7 (8) MONTHS from the mailing date of this communication. Feature to engly with the ser or executed period for right will be mailing date of the communication. Feature to engly with the serily serily depend for the period of the communication, even if smally field, may reduce any served parent term adjustment. See 37 CPR 1.704(b). Status 1) PResponsive to communication(s) filled on	THE MAILING DATE OF THIS COMMUNICATION.	
1) Responsive to communication(s) filed on	mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the lf NO period for reply is specified above, the maximum statutory period will apply at Failure to reply within the set or extended period for reply will, by statute, cause the Any reply received by the Office later than three months after the mailing date of the	e statutory minimum of thirty (30) days will be considered timely. Individual will expire SIX (6) MONTHS from the mailing date of this communication. In application to become ABANDONED (35 U.S.C. § 133).
2a)	Status	
3		
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11; 453 O.G. 213. Disposition of Claims 4) Claim(s)	2a) ☑ This action is FINAL . 2b) ☐ This acti	on is non-final.
4a) Of the above, claim(s)	· ·	·
day of the above, claim(s) is/are withdrawn from consideration. 5	Disposition of Claims	
Side Claim(s)	4) P Claim(s) 1-15, 17-23, 27-	32, 46 , $48-49$ is/are pending in the application.
Side Claim(s)	4a) Of the above, claim(s)	is/are withdrawn from consideration.
6 Claim(s)		
Claim(s)		
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on		
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Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on		a) ☐ accepted or b) ☐ objected to by the Examiner.
The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of: 1 Certified copies of the priority documents have been received. 2 Certified copies of the priority documents have been received in Application No 3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e). a) The translation of the foreign language provisional application has been received. 15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Attachment(s)		
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1) UNotice of References Cited (PTO-892) 4) Uniterview Summary (PTO-413) Paper No(s).		
21 The 42 to 1 to		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s). 6) Other:		

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DETAILED ACTION

Double Patenting

1. Claims 1-7, 10-15, 17-23, 27-32 & 48 are provisionally rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 1-10, 13-18, 21-25, 30-34, 38-41 & 45-46 of copending Application No. 09/346,375. This is a <u>provisional</u> double patenting rejection since the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-15, 17-23, 27-32, 46 & 48-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Burkart et al. (CN Pat. 2,073,092) in view of Gofuku et al. (US Pat. 5,269,868).

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Burkart et al. discloses a method and apparatus for releasing the adhesive joints of glazing screens, that is, releasing a windshield from an automobile frame. The adhesive joint includes a heatable separating member which in one embodiment is one of two adhesive beads. Upon heating by electrical energy or radiation (high frequency, microwave or infrared), the heatable separating member is destroyed at a temperature at which the other adhesive bead is not damaged. Burkart et al. does not disclose a single adhesive bead.

Gofuku et al. discloses the separation of adhesive bonded substrates. Separation entails irradiation of the adhesive using an energy beam which is transmitted through one of the substrates and is absorbed into the adhesive. In particular, the separating glass substrates are liquid crystal devices but could be applied to other substrates. The energy beam is an ultraviolet laser, but other lasers and other energy beams may be used.

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the Burkart et al. separation to one adhesive bead, as taught by Gofuku et al. because it is merely a variation on a substrate adhesive structure. Additionally, one of ordinary skill in the art would have been motivated to use Gofuku et al. for vehicle windows because it is not limited to substrates which are attached by a Burkart et al. type adhesive, that is, a heatable separating member, but rather applicable to substrates which are attached by a single homogeneous adhesive bead. These are used almost exclusively in the automobile industry (applicant's specification). The teaching by Gofuku that his method is applicable to bonded substrates other than liquid crystal displays and to many adhesives used by Burkart et al. to bond vehicle windows, would have

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provided one of ordinary skill in the art with a reasonable expectation of success in applying the Gofuku process to vehicle windows.

Response to Amendment

- 4. Upon carefully reviewing Applicant's arguments filed January 13, 2003, the Examiner acknowledges the amendments to claims 1, 11-14, 17-23, 27, 29-32 & 46 and the cancellation of claims 16, 24-26, 33-45, 47 & 50.
- 5. Applicant's arguments filed January 13, 2003 (paper # 22) have been fully considered but they are not persuasive.

The applicant argues that the prior art does not teach electrical gas discharge light energy for de-bonding. The examiner respectfully disagrees because heating by electrical energy or radiation (high frequency, microwave or infrared) is taught which encompasses light energy as per instant claims.

Applicant argues that the prior art does not teach carbonization of the bonding layer. The examiner respectfully disagrees because the heatable separating member (ie polymeric bonding member) is destroyed by heat.

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Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is (703) 308-0092. The examiner can normally be reached Monday to Friday from 6:30 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn, can be reached on (703) 308-3318. The fax number for non-after finals is 703-872-9310 and for after finals is 703-872-9311.

Any inquiry of general nature to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-0661.

January 13, 2003.

ANDRA ELVE

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